**Table S1.** Tumor localization and surgical procedure in G1.

| Case | Tumor localization | Resection type | Neck Dissection level (ND) | Transplant type |
|---|---|---|---|---|
| 1 | left mandible | Mandibular box resection | ND 1-3 left | Latissmius dorsi |
| 2 | left mandible | Mandibular box resection | ND 1-3 left | Radial forearm |
| 3 | left mandible | Mandibular box resection and partial maxillary resection | ND 1-3 left | Radial forearm |
| 4 | left mandible | Mandibular continuity resection | ND 1-3 left | Radial forearm |
| 5 | tongue left, floor of mouth | Partial floor of mouth resection | ND 1-5 left, ND 1-3 right | Radial forearm |
| 6 | tongue right | Hemiglossectomy | ND 1-3 right | Radial forearm |
| 7 | pterygomanidbular, left maxilla and mandible | Mandibular continuity resection and partial maxillary resection | ND 1-3 left | Radial forearm |
| 8 | floor of mouth right, mandible right | Mandibular continuity resection | ND 1-5 right, ND 1-3 left | Latissmius dorsi |
| 9 | retromolar left | Temporary mandible split and retromolar recection | ND 1-5 left, ND 1-3 right | Radial forearm |
| 10 | floor of mouth anterior | Partial floor of mouth resection | ND 1-5 left, ND 1-3 right | Thoracodorsalis perforator |
| 11 | left mandible | Mandibular box resection | ND 1-5 left, ND 1-3 right | Radial forearm |
| 12 | floor of mouth anterior | Mandibular continuity resection and hemiglossectomy | ND 1-5 bilateral | Anterolateral thigh |
| 13 | retromolar right | Mandibular continuity resection | ND 1-3 bilateral | Fibula |
| 14 | floor of moth right | Mandibular continuity resection | ND 1-3 right | Radial forearm |
| 15 | palate right | Hemiglossectomy, floor of mouth resection, mandibular box resection | ND 1-5 right, ND 1-3 left | Anterolateral thigh |
| 16 | tongue left | Hemiglossectomy | ND 1-3 left | Latissmius dorsi |
| 17 | palate left to floor of mouth left | Mandibular continuity resection, partial maxillary resection | ND 1-3 left | Latissmius dorsi |
| 18 | retromolar left | Mandibular continuity resection | ND 1-3 left | Latissmius dorsi |
| 19 | tongue left | Hemiglossectomy | ND 1-3 left | Radial forearm |
| 20 | floor of mouth anterior | Mandibular continuity resection | ND 1-3 bilateral | Anterolateral thigh |
| 21 | retromolar right | Mandibular box resection | ND 1-3 right | Radial forearm |
| 22 | retromolar left | Mandibular box resection | ND 1-3 left | Radial forearm |
| 23 | tongue left | Hemiglossectomy | ND 1-3 left | Radial forearm |

| | | | | |
|---|---|---|---|---|
| 24 | floor of mouth right | Partial floor of mouth resection | ND 1-3 right | Radial forearm |
| 25 | left mandible | Mandibular continuity resection | ND 1-5 bilateral | Latissmius dorsi |

The table shows tumor localization, technique and extend of tumor resection, extend of Neck Dissection (ND) and the used microvascular transplant for reconstruction. Neck Dissection levels are given according to the Robbins classification.